

Reptile Land Curator

Performance Task

Introduction

A curator at a zoo is responsible for managing a zoo's animals. An animal curator oversees one specific group of animals in a zoo's animal collection such as reptiles or mammals. In this task you will be a Curator at Reptile Land where you are responsible for taking care of the reptiles and amphibians.

Book Connections:

Miles and Miles of Reptiles: All About Reptiles (Cat in the Hat's Learning Library)
(8601416173009): Rabe, Tish, Ruiz, Aristides: Books.
Read Aloud version: <https://youtu.be/cvr8CVgsQ7Q?t=25>

The Mixed-Up Chameleon by Eric Carle
ISBN 10: 0690006055 ISBN 13: 9780690006056
Publisher: Crowell, 1975

The Enormous Crocodile
Roald Dahl; Quentin Blake [Illustrator]
Published by Scholastic (1998)
ISBN 10: 0590018698 ISBN 13: 9780590018692

Big Idea / Essential Questions

Big Idea

- Mathematical relationships among numbers can be represented, compared, and communicated.
- Geometric relationships can be described, analyzed, and classified based on spatial reasoning and/or visualization.
- Living things rely on specific habitats.

Essential Questions

- How is mathematics used to quantify, compare, represent, and model numbers?
- How are spatial relationships, including shape and dimension, used to draw, construct, model, and represent real situations or solve problems?
- What do reptiles and amphibians need in order to thrive and adapt in the different habitats?

G.R.A.S.P.

Goal

Your goal is to manage the animals and visitors at Reptile Land.

Role

Your role is the Curator at a zoo called Reptile Land. You need to make sure the animals are taken care of and the visitors have a good time.

Audience

Your audience is the customers coming to Reptile Land to see and learn about the animals.

Situation

Reptile Land is a type of zoo that has reptiles and amphibians for people to come and see. You are the Curator at Reptile Land which means you are in charge of making sure the animals are taken care of. You also need to be sure that visitors learn about the different types of creature in your zoo and that they have a good time.

Products

1. Illustration

Draw a picture of a reptile. Include the name of the animal and words that describe it.

Illustration

Achievement Levels	1	2	3
Illustration (x1)	Illustration and title are unclear and are not connected to the concept.	Illustration and title are somewhat clear and demonstrate minimal connection to the concept.	Illustration and title are clear and demonstrate connection to the concept.

2. Feeding Schedule

An area of where the animals are is called an exhibit, You are to create a schedule for feeding each of the exhibits. You will visit each area and feed the animals. The time it takes to feed the animals is below. If you start with the alligator exhibit at 9:00am, show what time you will be at each feeding.

This worksheet will help you:

<https://docs.google.com/document/d/1lp9SZnBdvb7DhUCq8PTIPSRsDKxojKqIVa2mXJsVg1o/edit?usp=sharing>

****Teachers: You need to make your own copy in order to edit the worksheets. Do this by either going to "File", "Download" to put it on your computer, or "File" "Make a Copy" will put in your google drive.**

Animal	Time to Feed		Animal	Time to Feed
Alligators &	25 minutes		Geckos	10 minutes

Crocodiles				
Chameleons	5 minutes		Snakes	15 minutes
Lizards	10 minutes		Turtles	20 minutes

Feeding Schedule

Achievement Levels	1	2	3
Analog Time (x1)	Product shows few correct times in analog format.	Product shows some correct times in analog format.	Product shows all correct times in analog format.
Digital Time (x1)	Product shows few correct times in digital format.	Product shows some correct times in digital format.	Product shows all correct times in digital format.
Neatness (x1)	Product is minimally neat and hard to read.	Product is somewhat neat and easy to understand.	Product is neat and easy to understand.

3. Creating a Habitat

Choose a reptile that you would like to include in the exhibit. Reptiles include snakes, turtles, lizards, alligators and many more creatures. Create a drawing or a model of the place they live (called a habitat). Explain how the habitat helps the reptile survive.

Creating a Habitat

Achievement Levels	1	2	3
Habitats (x1)	Product shows a minimally accurate habitat for the reptile chosen.	Product shows a somewhat accurate habitat for the reptile chosen.	Product shows an accurate habitat for the reptile chosen.
Details (x1)	Model or drawing is not detailed. Few features of are labeled.	Model or drawing has partial detail. Some features are labeled.	Model or drawing is adequately detailed. Most features are labeled.
Need and Wants (x1)	The habitat does not meet the needs of the reptile.	The habitat meets some of the wants and needs of the reptile.	The habitat meets the wants and needs of the reptile.

4. New Exhibit Design

Reptile Land is going to create a new exhibit for amphibians. Each section of the new exhibit will be a specific shape. Create a Design (drawing) of the area with the new shaped exhibits. Be sure to include space for the visitors to walk around. Write the name of each shape and the name of each amphibian inside the shape.

Amphibian	Exhibit Shape
Frogs	hexagon
Toads	quadrilateral
Salamanders	triangle

Newts

pentagon

New Exhibit Design

Achievement Levels	1	2	3
Geometric Shapes (x1)	Few of the geometric shape(s) used in the product are correctly named.	Some of the geometric shape(s) used in the product are correctly named.	All geometric shape(s) used in the product are correctly named.
Drawing Shapes (x1)	Few of the geometric shape(s) drawn are correct for the animal it represents.	Some of the geometric shape(s) drawn are correct for the animal it represents.	All geometric shape(s) drawn are correct for the animal it represents.
Design Layout (x1)	The design is not neat and/or there is no area for visitors to walk.	The design is somewhat neat and includes some walking areas for visitors.	The design is neat and includes walking areas for visitors to view the animals.

5. Visitor Bar Graph

You want to show the workers how many people visit Reptile Land during the week. To do this, you gathered the information for the number of visitors for last week. You want to show this to the workers as a bar graph.

Use the worksheet below to make the bar graph and then explain the data by answering the questions.

https://docs.google.com/document/d/1a5U-SVq1TZS-AgnvAtg4jMedGcQA1Ov6-Y-Rm7_KAjg/edit?usp=sharing

****Teachers: You need to make your own copy in order to edit the worksheets. Do this by either going to "File", "Download" to put it on your computer, or "File" "Make a Copy" will put in your google drive.**

Visitor Bar Graph

Achievement Levels	1	2	3
Adding and Subtracting Numbers (x1)	Worksheet shows minimal additions and subtractions done correctly.	Worksheet shows some additions and subtractions done correctly.	Worksheet shows all additions and subtractions done correctly.
Bar Graph (x1)	Few of the bars on the graph are accurate or neat.	Some bars on the graph are accurate and neat.	All bars on the graph are accurate and neat.
Number sentences (x1)	Few number sentences are written correctly using appropriate symbols.	Some number sentences are written correctly using appropriate symbols.	All number sentences are written correctly using appropriate symbols.
Data Interpretation (x1)	Student answers a few questions about the data correctly.	Student answers some questions about the data correctly.	Student answers all questions about the data correctly.

6. Journal Prompt

Explain what you learned about reptiles and amphibians.

Journal Prompt

Achievement Levels	1	2	3
Conventions (if response is written) (x1)	Few sight words are spelled correctly and prompt lacks phonetic construction of unknown words. No capitalization or punctuation used.	A majority of sight words are spelled correctly. Demonstrates an attempt at phonetic construction of unknown words. Minimal capitalization and/or punctuation are used.	Few or no errors in spelling of sight or unfamiliar words. Capitalization and simple punctuation are used.
Content (x1)	Response contains a limited amount of accurate, factual information.	Response contains some accurate, factual information about the topic.	Response contains mostly accurate, factual information about the topic.
Reptiles and Amphibians (x1)	Response does not demonstrate understanding of reptiles and amphibians.	Response somewhat demonstrates understanding of reptiles and amphibians.	Response mostly demonstrates understanding of reptiles and amphibians.